

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10043818
Filing Date		2002-01-11
First Named Inventor	Dapper	
Art Unit	N/A	
Examiner Name	Unknown	
Attorney Docket Number	100.070US31	

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M	1	3916379		1975-10-28	DULANEY et al.	
N	2	4107470		1978-08-15	MARUTA	
N	3	4206320		1980-06-03	KEASLER et al.	
N	4	4291403		1981-09-22	WADDILL et al.	
M	5	4381546		1983-04-26	ARMSTRONG	
M	6	4395768		1983-07-26	GOETHALS et al.	
N	7	4430731		1984-02-07	GIMPLE et al.	
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4	10	4533948		1985-08-06	McNAMARA et al.	
W	11	4604721		1986-08-05	GRAY	
4	12	4612626		1986-09-16	MARCHANT	
U	13	4617656		1986-10-14	KOBAYASHI et al.	
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4	15	4644526		1987-02-17	WU	
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U	17	4651320		1987-03-17	THAPAR	
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	43	5371696		1994-12-06	SUNDARARAJAN et al.	
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	46	5440335		1995-08-08	BEVERIDGE	
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	1	3311386	DE		1984-10-31	KRAUTKRAEMER et al.		<input type="checkbox"/>
	2	0080782	EP		1983-06-08	BRYANT		<input type="checkbox"/>
	3	0131662	EP		1985-01-23	RODMAN		<input type="checkbox"/>
	4	0282298	EP		1988-09-14	TANNER		<input type="checkbox"/>
	5	0325331	EP		1989-07-26	BAXTER et al.		<input type="checkbox"/>
	6	0329023	EP		1989-08-23	MAGAR et al.		<input type="checkbox"/>
	7	0392723	EP		1990-10-17	CHUNG et al.		<input type="checkbox"/>
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2	9	0499065	EP		1992-08-19	OHNSORGE et al.		<input type="checkbox"/>
4	10	0584820	EP		1994-03-02	MOMONA		<input type="checkbox"/>
4	11	0599515	EP		1994-06-01	SCHMIDT		<input type="checkbox"/>
4	12	0599632	EP		1994-06-01	O'SULLIVAN et al.		<input type="checkbox"/>
4	13	0613266	EP		1994-08-31	BAGGEN et al.		<input type="checkbox"/>
40	14	0618692	EP		1994-10-05	BOLZE et al.		<input type="checkbox"/>
40	15	0630133	EP		1994-12-21	PARTRIDGE III		<input type="checkbox"/>
40	16	0637181	EP		1995-02-01	RITTER		<input type="checkbox"/>
4	17	0647043	EP		1995-04-05	PATEL et al.		<input type="checkbox"/>
4	18	0669749	EP		1995-08-30	MAITRA et al.		<input type="checkbox"/>
40	19	0673131	EP		1995-09-20	ISHIKAWA et al.		<input type="checkbox"/>

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	20	0689313	EP		1995-12-27	SATO et al.		<input type="checkbox"/>
	21	0695054	EP		1996-01-31	WISHART et al.		<input type="checkbox"/>
	22	2266433	GB		1993-10-27	ERIKSSON et al.		<input type="checkbox"/>
	23	1319319	JP		1989-12-25	ICHIYOSHI et al.		<input type="checkbox"/>
	24	2104049	JP		1990-04-17	FUJIMOTO		<input type="checkbox"/>
	25	4156735	JP		1992-05-29	EMURA		<input type="checkbox"/>
	26	04025246	JP		1992-01-29	TAKAHASHI		<input type="checkbox"/>
	27	5122700	JP		1993-05-18	YAMADA		<input type="checkbox"/>
	28	5167632	JP		1993-07-02	NAKANISHI et al.		<input type="checkbox"/>
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	31	5963833	JP		1984-04-11	TAKAHASHI		<input type="checkbox"/>
	32	61111036	JP		1986-05-29	ABE		<input type="checkbox"/>
	33	9218940	WO		1992-10-29	FURUTA		<input type="checkbox"/>
	34	9300751	WO		1993-01-07	KLOC et al.		<input type="checkbox"/>
	35	9429983	WO		1994-12-22	BRUESS		<input type="checkbox"/>
	36	9513579	WO		1995-05-18	GIGER		<input type="checkbox"/>
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	1	BINGHAM, "MULTICARRIER MODULATION FOR DATA TRANSMISSION - AN IDEA WHOSE TIME HAS COME", "IEEE COMMUNICATIONS MAGAZINE", 5/28/90, Page(s) 5-12, Number 5, Publisher: IEEE	<input type="checkbox"/>
	2	CHIDDIX ET AL., "FIBER BACKBONE - A PROPOSAL FOR AN EVOLUTIONARY CATV NETWORK ARCHITECTURE", "1988 NCTA TECHNICAL PAPERS", 1988, Page(s) 73-82	<input type="checkbox"/>



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	3	ENGSTROM ET AL., "A SYSTEM FOR TEST OF MULTIACCESS METHODS BASED ON OFMD", "CONFERENCE PROCEEDINGS, 1994 IEEE 44TH VEHICULAR TECHNOLOGY CONFERENCE", 6/8-10/94, Page(s) 1843-1845, Volume 3, Publisher: IEEE, Published in: STOCKHOLM, SWEDEN	<input type="checkbox"/>
	4	FLIEGE, "ORTHOGONAL MULTIPLE CARRIER DATA TRANSMISSION", "EUROPEAN TRANSACTIONS ON TELECOMMUNICATIONS AND RELATED TECHNOLOGIES", MAY-JUNE/1992, Page(s) 255-264	<input type="checkbox"/>
	5	SIERENS ET AL., "SUBCARRIER MULTIPLE ACCESS FOR PASSIVE OPTICAL NETWORKS AND COMPARISON TO OTHER MULTIPLE ACCESS TECHNIQUES", "CONFERENCE RECORD, IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE", 12/2-5/91, Page(s) 619-623, Volume 1, Publisher: IEEE, Published in: PHOENIX, AZ	<input type="checkbox"/>
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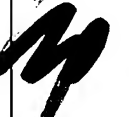








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	Examiner Name	William D. Cumming	
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	1	5282222		1994-01-25	FATTOUCHE et al.	
	2	5285474		1994-02-08	CHOW et al.	
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	9	5488632		1996-01-30	MASON et al.	
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	20	6091932		2000-07-18	LANGLAIS	
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	1	9411961	WO		1994-05-26	KAHRE		<input type="checkbox"/>

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	1	CHOW ET AL., "A MULTICARRIER E1-HDSL TRANSCEIVER SYSTEM WITH CODED MODULATION", 5/1993-6/1993, Page(s) 257-266, Volume 4, Number 3, Publisher: ETT	<input type="checkbox"/>
	2	CIMINI JR., "ANALYSIS AND SIMULATION OF A DIGITAL MOBILE CHANNEL USING ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING", "IEEE TRANSACTIONS ON COMMUNICATIONS", 7/1985, Page(s) 665-675, Volume 33, Number 7, Publisher: IEEE, Published in: NEW YORK, NY	<input type="checkbox"/>
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<i>AL</i>	4	SIALA ET AL., "EQUALIZATION FOR ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING SYSTEM", 1993, Page(s) 649-652, Publisher: IEEE, Published in: NEW YORK, NY	<input type="checkbox"/>
<i>AL</i>	5	SAITO ET AL., "IMPROVEMENTS IN TDMA CIRCUIT SWITCHING SERVICES ON A TREE-SHAPED BROADBAND NETWORK", "ELECTRONICS AND COMMUNICATIONS IN JAPAN PART I: COMMUNICATIONS", 7/1992, Page(s) 1-11, Volume 75, Number 7, Publisher: SCRIPTA TECHNICA, INC.	<input type="checkbox"/>
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<i>AD</i>	8	SISTANIZADEH ET AL., "MULTI-TONE TRANSMISSION FOR ASYMMETRIC DIGITAL SUBSCRIBER LINES (ADSL)", 1993, Page(s) 756-760, Publisher: IEEE, Published in: NEW YORK, NY	<input type="checkbox"/>
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<i>AL</i>	11	WEI ET AL., "REQUIREMENTS OF TIMING AND FREQUENCY SYNCHRONIZATIONS FOR MULTI-USER OFDM ON SATELLITE MOBILE CHANNEL", 11/28-12/2/1994, Page(s) 735-739, Publisher: IEEE, Published in: NEW YORK, NY	<input type="checkbox"/>
<i>AL</i>	12	WEI ET AL., "SYNCHRONIZATION REQUIREMENTS FOR MULTI-USER OFDM ON SATELLITE MOBILE AND TWO-PATH RAYLEIGH FADING CHANNELS", "IEEE TRANSACTIONS ON COMMUNICATIONS", 2-4/1995, Page(s) 387-395, Volume 43, Number 2,4, Publisher: IEEE, Published in: NEW YORK, NY	<input type="checkbox"/>

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